DT07 Rec'd PCT/PTO 1 6 JUL 2004

FORM P	TO-139	90 (Modified) U.S. DEPARTMENT OF COM	MMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER						
(N			TO THE UNITED STATES	20712-503 NATL						
		DESIGNATED/ELECTI	ED OFFICE (DO/EO/US)	U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR						
			IG UNDER 35 U.S.C. 371	10/501855						
INTER		TIONAL APPLICATION NO. CT/US2003/001845	INTERNATIONAL FILING DATE 21 January 2003 (21.01.2003)	PRIORITY DATE CLAIMED 18 January 2002 (18.01.2002)						
	OF IN	NVENTION								
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		rt(s) for do/eo/us UER, David G.; LEIGHTON,	, Harry Jefferson; EDGAR, Dale M.							
II	G.	JEN, Davis C.,	Hairy venterson, 22 2.2.,	,						
Appli	cant l	herewith submits to the United Sta	ates Designated/Elected Office (DO/EO/US) the	the following items and other information:						
1.	×	•	tems concerning a filing under 35 U.S.C. 371	_						
2.			QUENT submission of items concerning a filing							
3.	×	This is an express request to begi	rin national examination procedures (35 U.S.C	C. 371(f)). The submission must include items (5),						
_	_	(6), (9) and (24) indicated below.	v.							
4.	⊠ ⊠	The US has been elected the three A convertible International Applie		(Article 31).						
5.	Ø	<u></u> '	lication as filed (35 U.S.C. 371 (c) (2))	: 						
			aired only if not communicated by the Internal d by the International Bureau	ational Bureau).						
			d by the International Bureau.	OC - COMIC)						
6.			application was filed in the United States Reco of the International Application as filed (35 U	- '						
U.	L	a. \(\sigma\) is attached hereto.	of the international repriorition of med (2)	J.S.C. 3/1(c)(2)).						
			bmitted under 35 U.S.C. 154(d)(4).							
7.	×		e International Application under PCT Article	e 19 (35 II S.C. 371 (e)(3))						
	_		quired only if not communicated by the Intern							
	}		ed by the International Bureau.	intonia zavazy.						
	•		owever, the time limit for making such amend	dments has NOT expired.						
	a ¹	d. A have not been made and	_							
8.		An English language translation	of the amendments to the claims under PCT	Article 19 (35 U.S.C. 371(c)(3)).						
9.		An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).								
10.		An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).								
11.			minary Examination Report (PCT/IPEA/409)).						
12.	×	A copy of the International Searc	th Report (PCT/ISA/210).	ı						
Ite	ems 1	13 to 20 below concern document	i(s) or information included:	1						
13.			ement under 37 CFR 1.97 and 1.98.							
14.			cording. A separate cover sheet in compliance	e with 37 CFR 3.28 and 3.31 is included.						
15.	Ø	A FIRST preliminary amendmen		!						
16.		A SECOND or SUBSEQUENT	preliminary amendment.							
17.		A substitute specification.	-							
18.		A change of power of attorney an		1005						
19. 20		_	e sequence listing in accordance with PCT Ru international application under 35 U.S.C. 154							
20. 21.		_	international application under 35 U.S.C. 154							
21. 22.	⊔ ⊠	A second copy of the English lan Certificate of Mailing by Express	nguage translation of the international applica s Mail Label No	ation under 35 U.S.C. 154(a)(4).						
22. 23.	⊠	Other items or information:								
4.5.	Ŀ		*C=C <c+t c< td=""><td>!</td></c+t c<>	!						
ſ		Express Mail Label No. EV227859601US filed on July 16, 2004								

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.484(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO		NO. (IF KNOWN, SEE	37 CFR	INTERNATIONAL A	PPLICATI	ION N	0.		ATTORNEY'S I	OOCKET NUMBER
BASIC NATIONAL FEE G7 CFR 1.492 (a) (1) - (5): Neither international search fee G7 CFR 1.445 (a)(2) paid to USPTO and International Search fee G7 CFR 1.445 (a)(2) paid to USPTO and International Search fee G7 CFR 1.445 (a)(2) paid to USPTO S1060.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO S900.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO S750.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO S750.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO S750.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO S100.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO S100.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO S100.00 International preliminary examination fee (37 CFR 1.492 (e)) S130.00 International preliminary examination fee (37 CFR 1.492 (e)) S130.00 International preliminary examination fee (37 CFR 1.492 (e)) S130.00 ENTER APPROPRIATE BASIC FEE AMOUNT	10	<u> 150185</u>	<u>り</u>	PCT/US2	003/001	845			20712-5	03 NATL
BASIC NATIONAL FEE G7 CFR 1.492 (a) (1) - (5): Neither international search fee (37 CFR 1.482) nor international search fee (37 CFR 1.4845)(a)(2)) paid to USPTO and International Search Report prepared by the EPO or IPO	24. The fol	lowing fees are subn	nitted:.					CA	LCULATIONS	PTO USE ONLY
international search fice (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or IPO	ASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):									
USPTO but International Search Report prepared by the EPO or IPO	international	l search fee (37 CFR								
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.48(a)(2)) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)(-4)	☐ Internationa USPTO but	International preliminary examination fee (37 CFR 1.482) not paid to								
International preliminary examination fec (37 CFR 1.482) paid to USPTO	⊠ Internationa	l preliminary examin								
and all claims satisfied provisions of PCT Article 33(1)-(4)	☐ International	l preliminary examin		٠.						
ENTER APPROPRIATE BASIC FEE AMOUNT = \$750.00 Surcharge of \$130.00 for furnishing the earth or declaration later than	☐ Internationa and all clain	☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO								
months from the earliest claimed priority date (37 CFR 1.492 (e)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 8						OUN	TT =		\$750.00	
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Multiple Dependent Claims (sheek if applicable). S0.00	CLAIMS	NUMBER	FILED	NUMBER EXT	RA		RATE			
Multiple Dependent Claims (check if applicable). TOTAL OF ABOVE CALCULATIONS = \$2,398.00 Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. SUBTOTAL = \$1,199.00 Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)). TOTAL NATIONAL FEE = \$1,199.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). TOTAL FEES ENCLOSED = \$1,199.00 Amount to be: \$1,199.00 TOTAL FEES ENCLOSED = \$1,199.00 Amount to be: \$1,199.00 TOTAL FEES ENCLOSED = \$1,199.00 TOTAL FEES ENCLOSED = \$1,199.00 TOTAL FEES ENCLOSED = \$1,199.00 Amount to be: \$1,199.00 TOTAL FEES ENCLOSED = \$1,	Total claims	81	- 20 =	61		х	\$18.00		\$1,098.00	
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a. A check in the amount of \$1,199.00 to cover the above fees is enclosed. b. Please charge my Deposit Account No. in the amount of to cover the above fees. c. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0311 d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO: ELRIFI, Ivor R. Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C. One Financial Center Boston, Massachusetts 02111 United States of America SIGNATURE Heidi A. Erlacher NAME 45,409 REGISTRATION NUMBER July 16, 2004				TOTAL FEES	ENCL	OSI	ED =		\$1,199.00	* '
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